REC 16-099

Knollwood Energy of MA LLC
P.O. Box 30
Chester, New Jersey 07930

NHPUC 13JAN'16AM11:14

January 8, 2016

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Dear Ms Howland,

Enclosed please find applications for 10 systems to be part of the Knollwood Energy of MA LLC (NH-II-13-089) Class II Photovoltaic aggregation for New Hampshire Renewable Energy Certificates (RECs) generated from customer-sited sources, pursuant to New Hampshire Code of Administrative Rules Puc 2506.
Also enclosed are the Simplified Process Interconnection Application and Service Agreement, and the Certificate of Completion.

Electronic versions have been entered into the new online application system under batch number KN0415.

Paul Barker	Bill Haig
Darren Blood	John Hanson
Mike Blichmann	Peter and Elaine Klose
Rod Gagnon	Charlie Lovett
Zachary Gardner	Robert McDonald

Please feel free to contact me with any questions or further instructions.
Thank you for your consideration,

Linda Modica
New England REC Operations Manager
Knollwood Energy of MA LLC
973.879.7826
linda@knollwoodenergy.com

Who is submitting this request?

Aggregator

Aggregator Batch Number

KN0415

Aggregator name

Knollwood Energy

Aggregator Email

linda@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Owner Name

Darren Blood

Owner Prefix

Mr.

Facility Owner email

dblood@gm2inc.com

Owner Phone

603-496-7695

Facility Address

235 West Joppa Road

Facility Town/City

Warner

Facility State

NH

Facility Zip

03278

Is the facility address the same as the owner's mailing address

(●) Yes
( ) No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact (who should we call with questions)

Linda Modica

Contact Phone

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

Date of Utility Signoff

09/01/2015

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON59275

Facility Operator Name, if applicable

Panel Quantity

30

Panel Make

SunEdison

Panel Model

F270

Panel Rated Output

270

System capacity based on panels

8.1000

Inverter Quantity

30

Inverter Make

Enphase Energy

Additional Inverter

Rated Output

215

System capacity based on inverters

6.45

System capacity in mW as stated on the interconnection agreement

6.45

Revenue Grade Meter Make

AEE Solar

Was this facility installed directly by the customer (no electrician involved)?

○ Yes
◉ No

Date of Electrician Signoff

Sign-off Electrician's License Number

12245M

Installation Company

SunRay Solar

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name

Paul Button

Monitor Company Name

Energy Audits Unlimited

Monitor Company Name

Monitor Company Name

Monitor Company Name

Other Monitor Company Name

Is the installer also the equipment vendor?

- ○ Yes
- ◉ No

Equipment Vendor

SunEdison

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-5830855_D2yOIcz9_N3552_Blood_PV_-_Processed_Applicati

The project described in this application will meeet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independant minitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independant monitor that the meter operaes according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facilitiy's interconnection agreement is attached.

Please attach additional document here

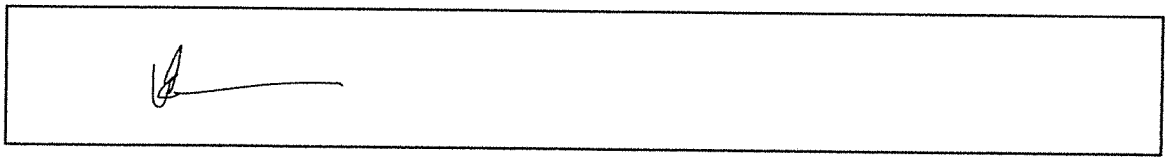
https://fs30.formsite.com/jan1947/files/f-5-168-5830855_U5pytZqk_Blood_EVERSOURCE_EXHIBIT_B_Compl

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-5830855_qfdL9Pjg_Blood_NHOS.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Linda Modica

Date Signed

01/07/2016

RECEIVED
JUN 15 2015
SESD

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS SIZED UP TO 100 KVA
Simplified Process Interconnection Application and Service Agreement

Eversource Application Project ID#: N3552

Contact Information:

Legal Name and Address of Interconnecting Customer (or, Company name, if appropriate)

Customer or Company Name (print): Darren Blood

Contact Person, if Company:

Mailing Address: 235 West Joppa Road

City: Warner State: NH Zip Code: 03278

Telephone (Daytime): 603-856-7854 (Evening): 603-496-7695

Facsimile Number: E-Mail Address: dblood@gm2inc.com

Alternative Contact Information (e.g., System installation contractor or coordinating company, if appropriate):

Name: SunRay Solar, LLC

Mailing Address: 124A Hall Street

City: Concord State: New Hampshire Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening):

Facsimile Number: E-Mail Address: rick@spreadthesunshine.com

Electrical Contractor Contact Information (if appropriate):

Name: Brian Pare of SunRay Solar, LLC #12245M – New Hampshire

Mailing Address: 124A Hall Street

City: Concord State: New Hampshire Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening):

Facsimile Number: E-Mail Address: Brian@spreadthesunshine.com

Facility Site Information:

Facility (Site) Address: 235 West Joppa Road

City: Warner State: NH Zip Code: 03278

Electric Service Company: Eversource Account Number: ~~56564325028~~ 56437725088 Meter Number: ~~D88574258~~ S24543509

Account and Meter Number: Please consult an actual Eversource electric bill and enter the correct Account Number and Meter Number on this application. If the facility is to be installed in a new location, please provide the Eversource Work Request number.

Eversource Work Request #

Non-Default' Service Customers Only:

Competitive Electric Energy Supply Company: Account Number:

(Customer's with a Competitive Energy Supply Company should verify the Terms & Conditions of their contract with their Energy Supply Company.)

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ Inverter Manufacturer: Enphase ✓ Model Name & Number: m215 ✓ Quantity: 30 ✓

✓ Nameplate Rating: 215 (kW) _____ (kVA) 240 (AC Volts) Phase: Single ■ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

✓ System Design Capacity: 6.45 (kW) _____ (kVA) Battery Backup: Yes ☐ No ■

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ■ No ☐

✓ Prime Mover: Photovoltaic ■ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other _____

Energy Source: Solar ■ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other _____

Inverter-based Generating Facilities:

UL 1741 / IEEE 1547.1 Compliant **(Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)**

✓ Yes ■ No ☐

The standard UL 1741.1 dated May, 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. ***Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.***

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be **installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'**

✓ Yes ■ No ☐

Location of External Manual Disconnect Switch: Located in Basement

Project Estimated Install Date: June 2015 Project Estimated In-Service Date: June 2015

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: [signature] Title: Owner Date: 6/9/15

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☑ To be Determined ☐

Company Signature: [signature] Title: SR. ENGINEER Date: 6/16/15

Eversource

Interconnection Standards For Inverters Sized Up To 100 kVA

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: ☐ Check if owner-installed

Customer or Company Name (print): Darren Blood

Contact Person, if Company: _____

Mailing Address: 235 West Joppa Road

City: Warner State: NH Zip Code: 03278

Telephone (Daytime): 603-856-7854 (Evening): 603-496-7695

Facsimile Number: _____ E-Mail Address: dblood@gm2inc.com

Facility Information:

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Electrical Contractor Contact Information:

Electrical Contractor's Name (if appropriate): Brian Pare of SunRay Solar, LLC

Mailing Address: 124A Hall Street

City: Concord State: NH Zip Code: 03301

Telephone (Daytime): 603-225-6001 (Evening): _____

Facsimile Number: _____ E-Mail Address: brian@spreadthesunshine.com

License number: 12245M

Date of approval to install Facility granted by the Company: 06-16-2015

Eversource Application ID number: #N 3552

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: WARNER County: Merrimack

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):

Signature: Thomas G Baye

Name (printed): THOMAS G. BAYE Date: 9/1/15

Customer Certification:

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Customer Signature: _____

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Darren Blood

Printed Name of signature owner

Darren Blood

Darren Blood (Sep 21, 2015)

Signature of system owner